



TYPE APPROVAL CERTIFICATE
No. **ELE063822CS**

This is to certify that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	CONDUITS FOR PROTECTING AND LAYING OF ELECTRICAL CABLES
<i>Type</i>	Pliable conduits system, flexible conduits system, rigid (metallic) conduits system, fitting, junction box or derivation boxes
<i>Applicant</i>	EURO 2000 SPA VIA DELL'ARTIGIANATO 27 Fraz.Vigano 20083 Gaggiano (MI) ITALY
<i>Manufacturer</i>	EURO 2000 SPA
<i>Place of manufacture</i>	VIA DELL'ARTIGIANATO 27 Fraz.Vigano 20083 Gaggiano (MI) ITALY
<i>Reference standards</i>	RINA Rules for Classification of ships, Machinery systems and fire protection, Pt C Ch.3, Sect.3 & other Standards (see enclosure)

Issued in **Genova** on **July 31, 2023**. *This Certificate is valid until* **July 28, 2028**

RINA Services S.p.A.
Luigi Benedetti

This certificate consists of this page and 1 enclosure

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See Attachments.

Materials/Components:

- Metallic Materials: Galvanised steel, bronze; copper; brass nickle plated; X-stainless steel AISI 304; XX-stainless steel AISI 316L;
- Conduit type: DMC; UALT; DMA; DMT; GFP; GFPT; DMC EMP; DMC PU; DMT PU; DMA PU; DMC PUN; DMC ABT; DMCN; DMAN; DMCN ABT;
- Fittings type: AM MF; AM MG; AM FF; AM GG; AM MF curved.
- Quick-coupling fittings type: INR M; INR F; INR TR/TR; INR TR/TG.
- Metallic conduits system type: series TZR; TXR.
- Dilatation compensators
- Line diverter: Dev 16; Dev 20; Dev 25; Dev 32; Dev 40; Dev 50
- Rings: AB; AG; OT.
- Locknuts: 60321; 60322; 60323; 60324; 60325; 60326.
- Alluminium enclosures for electric system type: EU (degree of protection IP 65)
- Box Nylohm

Reference documents:

Test Reports:

IMQ (test for EN 61386-1:2008+A1:2019; EN 61386-23:2021+A11:2021; EN 61386-22:2021+A11:2021; EN 61386-21:2021+A11:2021; EN 61386-21:2004+A11:2010):

- IMQ Approval Certificate N. CA02.05590 dated 2014-05-27, updated 2021-12-29
 - IMQ Approval Certificate N. CA02.01257 dated 2002-12-20, updated on 2023-03-03
 - IMQ Approval Certificate N. EQ877 dated 1999-12-14, updated on 2023-03-03
 - IMQ Approval Certificate N. CA02.01256 dated 2002-12-20, updated on 2023-03-03
 - IMQ Approval Certificate N. CA02.01255 dated 2002-12-20, updated on 2023-03-03
 - IMQ Approval Certificate N. CA02.01254 dated 2002-12-20, updated on 2023-03-03
 - IMQ Test Report MI20-0053941-01 Rev.1, dated 24/6/2021, IEC 61386-22:2002 in conjunction with IEC 61386-1:2008
- IMQ (test for IEC 61386-1:2008; IEC 61386-1:2008/AMD: 2017; EN 61386-21:2002):
- IMQ Approval Certificate N. IT-22541 dated 2022-01-14

LAPI (test for UNI EN 45545-2:2020):

- LAPI Test Report N.797/22 dated 07/06/2022
- LAPI Test Report N. 795-796/22 dated 07/06/2022
- LAPI Test Report N. 793-794/22 dated 07/06/2022

Other test reports:

- CaviLab, test report TR2021-004 Rev.1 (26/3/2021), screening attenuation IEC 62153-4-4:2015
- CSI, test report 0133/FPM/MATs/19 dated 22/02/2019, ISO 4892-2:2013

Tecnichal specification:

- EURO 2000 Metal line Catalogue Edition 2023.

Other Standards:

As indicated on IMQ, LAPI and others testing laboratory documents.

Remarks:

Components to be used according to the instructions given by the manufacturer.

The product is subject to the compliance with RINA Rules and Standards mentioned on the certificates

Type Approval certifies that a rappresentative sample of the products has been found to meet the applicable design criteria

Any modification of change shall not be valid until approval is granted by RINA as a result of due assessment.

Genova July 31 2023